

Pointing Device For Multiple-Dimensional Scrolling Control

Abstract

A pointing device includes a wheel module capable of swinging left and right with respect to a housing. With rotation of the wheel and swinging of the wheel module, multiple-dimensional scrolling control is provided. In the wheel module, an optical rotation-sensing module is set beside the wheel to sense its rotation, and an elastic step unit, installed on the wheel module, engages a stepwise uneven ring inside the wheel for generating a stepwise vibration feeling when the wheel is rotated.